Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1	1. (Currently amended) A medical method for treating a person, the method
2	comprising:
3	delivering a positive pressure breath to the person;
4	extracting respiratory gases from the person's airway using a vacuum following
5	the positive pressure breath to create an intrathoracic vacuum to lower pressures in the thorax
6	heart and to enhance blood flows back to the heart; and
7	repeating the steps of delivering positive pressure breaths and extracting
8	respiratory gases.
1	2. (Currently amended) A method as in claim 1, wherein the person is
2	suffering from ailments selected from a group consisting of head trauma, associated with
3	elevated intracranial pressures, low blood pressure, low blood circulation, low blood volume,
4	cardiac arrest <u>hypotension</u> , <u>shock</u> , <u>hypertension</u> , <u>intraocular pressures</u> and heart failure.
1	3. (Original) A method as in claim 1, further comprising regulating the
2	amount of intrathoracic vacuum using a threshold valve that is in fluid communication with the
3	person's airway.
1	4. (Original) A method as in claim 3, wherein the threshold valve is
2	configured to open when the person's negative intrathoracic pressure reaches about -3 cm H2O
3	to about -20cm H2O to permit respiratory gases to flow into the person's airway.

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2	application of the vacuum when applying the positive pressure breath using a switching
3	arrangement.
1	6. (Original) A method as in claim 1, wherein the positive pressure breath is
2	delivered using source selected from a group consisting of a mechanical ventilator, a hand held
3	bag valve resuscitator, mouth-to-mouth, or a means to provide intermittent positive pressure
4	ventilation.
1 .	7. (Original) A method as in claim 1, wherein the respiratory gases are
2	extracted with a constant extraction, varied over time, or a pulsed extraction.
1	8. (Original) A method as in claim 1, wherein the breath is delivered for a
2	time in the range for about 250 milliseconds to about 2 seconds.
1	9. (Original) A method as in claim 1, wherein the breath is delivered at a
2	rate in the range from about 0.1 liters per seconds to about 5 liters per second.
1	10. (Original) A method as in claim 1, wherein the vacuum is maintained at a
2	pressure in the level from about 0 mmHg to about -50 mmHg.
1	11. (Original) A method as in claim 10, wherein the vacuum is maintained
2 .	with negative flow or without flow.
1	12. (Original) A method as in claim 1, wherein the time the positive pressure
2	breath is supplied relative to the time in which respiratory gases are extracted is in the range
3	from about 0.5 to about 0.1.
1	13. (Original) A method as in claim 1, wherein the respiratory gases are
2	extracted using equipment selected from a group consisting of a mechanical ventilator, a vacuum
3	with vacuum regulator, a phrenic nerve stimulator, an extrathoracic vest, a ventilator bag, and an
4	iron lung cuirass device.

(Original) A method as in claim 3, further comprising stopping

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1	14. (Original) A method as in claim 1, wherein the respiratory gases are
2	lowered to an intrathoracic pressure of about -5 mmHg to about -10 mmHg and then kept
3	generally constant until the next positive pressure breath.
1	15. (Original) A method as in claim 1, wherein the positive breath is slowly
2	delivered and the respiratory gases are rapidly lowered to an intrathoracic pressure of about -5
3	mmHg to about -20 mmHg and then gradually reduced towards about 0 mmHg.
1	16. (Original) A method as in claim 1, wherein the respiratory gases are
2	slowly lowered to a pressure of about – 5 mmHg to about -20 mm Hg.
1	17. (Original) A device for lowering intrathoracic pressures, the device
2	comprising:
3	a means to interface with the patient's airway;
4	a means to repeatedly extract respiratory gases from the patient's lungs and
5	airway to create and periodically maintain a negative intrathoracic pressure;
6	a means to repeatedly regulate the extraction of respiratory gases within the
7	patient's lungs and airway; and
8	a means to deliver a positive pressure breath, to periodically provide inspiration of
9	respiratory gases.
1	18. (Original) A device as in claim 17, wherein the means to extract
2	respiratory gases comprises vacuum source selected from a group consisting of a suction line or
3	venturi device attached to an oxygen tank
1	19. (Original) A device as in claim 17, further comprising a switching
2	mechanism to stop the extraction of respiratory gases during delivery of a positive pressure
3	breath, wherein the switching mechanism is selected from a group consisting of mechanical
4	devices, magnetic devices, and electronic devices.

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1	20. (Original) A device as in claim 17, wherein the means for extracting
2	respiratory gases is selected from a group consisting of a mechanical ventilator, a vacuum with
3	vacuum regulator, a phrenic nerve stimulator, an extrathoracic vest, a ventilator bag, and an iron
4	lung cuirass device.
1	21. (Original) A device as in claim 17, wherein the means for regulating
2	comprises a threshold valve that is in fluid communication with the person's airway.
1	22. (Original) A device as in claim 21, wherein the threshold valve is
2	configured to open when the person's negative intrathoracic pressure reaches about -3 cm H2O
3	to about -20cm H2O to permit respiratory gases to flow into the person's airway.
1	23. (Original) A device as in claim 17, wherein the means for delivering a
2	positive pressure breath is selected from a group consisting of a mechanical ventilator, a hand
3	held bag valve resuscitátor, mouth-to-mouth, or a means to provide intermittent positive pressure
4	ventilation.
1	24. (Original) A device for lowering intrathoracic pressures, the device
2	comprising:
3	a housing having an interface that is adapted to couple the housing to the person's
4	airway;
5	a vacuum source in fluid communication with the housing for repeatedly
6	extracting respiratory gases from the person's lungs and airway to create and periodically
7	maintain a negative intrathoracic pressure;
8	a vacuum regulator to regulate the extraction of respiratory gases from the
9	patient's lungs and airway; and
10	a positive pressure source in fluid communication with the housing for
11	intermittently supplying positive pressure breaths to the person.